

Converting Colors

XYZ(32.4999, 49.0605, 7.9245)

Have a look what the booklet for
XYZ(32.4999, 49.0605, 7.9245)
contains.

XYZ(32.5117, 49.1648, 7.9485)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(32.5117, 49.1648,
7.9485)**

Conversions

Conversions Part 1

Format	Color
Hex	8BCD06
RGB	139, 205, 6
RGB Percent	55%, 80%, 2%
CMY	0.4549, 0.1961, 0.9764
CMYK	0.32, 0.00, 0.97, 0.20
HSL	80°, 94%, 41%
HSV	80°, 97%, 80%
XYZ	32.5117, 49.1648, 7.9485
YIQ	162.5800, 24.5430, -75.8810

Conversions

Conversions Part 2

Format	Color
RYB	6, 205, 72
Decimal	9161990
CIELab	75.55, -44.95, 74.26
CIELCh	76, 86.808, 121.184
Yxy	49.1648, 0.3628, 0.5486
Android (android.graphics.Color)	4287352070 (0xFF8BCD06)
YUV	162.5800, -77.1939, -20.6797
Hunter-Lab	70.1176, -39.9401, 42.3612

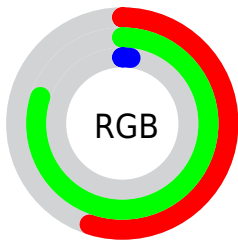
Details

The XYZ color **32.5117, 49.1648, 7.9485** is a dark color, and the websafe version is hex **99CC00**.

The color can be described as dark washed chartreuse. A complement of this color would be **13.7600, 5.9176, 58.1775**, and the grayscale version is **34.9613, 36.7820, 40.0556**.

A 20% lighter version of the original color is **60.6884, 84.1816, 21.6444**, and **14.2997, 23.5620, 3.7943** is the 20% darker color. If you saturate the color by 10%, you get **32.1492, 48.9833, 7.7603**, and if you desaturate by 10%, it is **33.8433, 49.8345, 8.8436**.

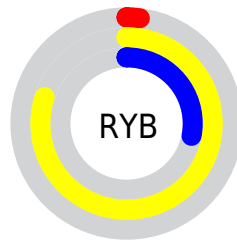
Distribution



Red (55%)

Green (80%)

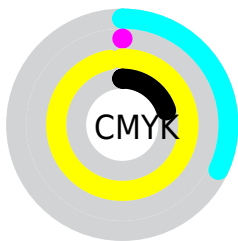
Blue (2%)



Red (2%)

Yellow (80%)

Blue (28%)

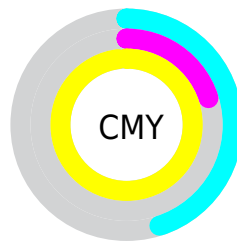


Cyan (32%)

Magenta (0%)

Yellow (97%)

Black (20%)



Cyan (45%)

Magenta (20%)

Yellow (98%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 32.5117, 49.1648, 7.9485 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the XYZ color 32.5117, 49.1648, 7.9485 by changing the saturation by 10% instead.

■ 32.5117, 49.1648,
7.9485

■ 32.5117, 49.1648,
7.9485

305.1477,
383.3907, 185.2470

■ 21.9101, 34.7502,
3.9747

■ 62.9722, 88.9362,
22.4019

■ 13.9071, 23.4705,
1.6115

■ 83.5618, 115.0618,
33.7186

■ 8.1373, 14.9413,
0.2990

■ 108.2115,
145.8598, 48.3201

■ 4.2355, 8.7782,
0.0000

■ 137.2865,
181.7147, 66.6248

■ 1.8362, 4.5968,
0.0000

■ 171.1523,
223.0108, 89.0513

■ 0.5393, 2.0127,
0.0000

■ 210.1742,

■ 0.0000, 0.6148,

270.1326, 116.0181

0.0000

254.7175,
323.4645, 147.9439

■ 0.0000, 0.0000,
0.0000

■ 32.5117, 49.1648,
7.9485

■ 32.5117, 49.1648,
7.9485

■ 32.1492, 48.9833,
7.7603

■ 33.8433, 49.8345,
8.8436

■ 35.4076, 50.6037,
10.5933

■ 37.2390, 51.4884,
13.3688

■ 39.3630, 52.4986,
17.2967

■ 41.8012, 53.6432,
22.4857

■ 44.5729, 54.9300,
29.0315

■ 47.6957, 56.3663,
37.0209

■ 51.1857, 57.9585,
46.5333

■ 55.0581, 59.7129,
57.6423

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



46.0951, 49.1648, 4.8841



32.5117, 49.1648, 7.9485



24.5833, 49.1648, 21.2503

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



32.5117, 49.1648, 7.9485



33.3863, 49.1648, 174.1872



84.8386, 49.1648, 51.7272

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



32.5117, 49.1648, 7.9485



13.7600, 5.9176, 58.1775

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



79.2911, 49.1648, 108.3805



32.5117, 49.1648, 7.9485



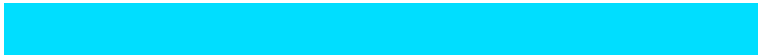
47.3700, 49.1648, 199.2756

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



32.5117, 49.1648, 7.9485



25.0011, 49.1648, 113.5200



64.5851, 49.1648, 170.2093



78.3878, 49.1648, 19.5877

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



32.5117, 49.1648, 7.9485



22.4003, 49.1648, 41.1058



64.5851, 49.1648, 170.2093



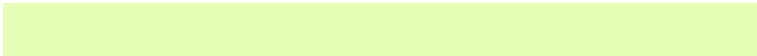
84.3073, 49.1648, 68.2399

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



32.5128, 49.1670, 7.9496



76.8897, 91.7591, 57.4017



27.3413, 17.2535, 2.0622



15.9818, 19.4215, 11.0647



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



32.5128, 49.1670, 7.9496



52.4269, 80.1121, 12.7000



22.8410, 44.1810, 7.4969



11.7782, 12.9031, 11.9492



20.1172, 30.5461, 4.8357



1.1160, 1.6162, 0.2531

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



13.7600, 5.9176, 58.1775



21.7590, 9.1320, 95.2236



27.3458, 12.9213, 58.8133



10.9465, 11.0217, 14.1208



8.4346, 3.5557, 36.1980



0.5153, 0.2248, 1.8712

Previews

White Background



This preview shows how the XYZ color 32.5117, 49.1648, 7.9485 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 32.5117, 49.1648, 7.9485 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

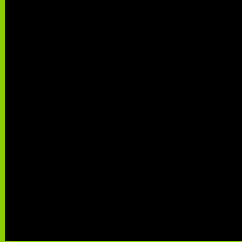
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 32.5117, 49.1648, 7.9485

Background



This preview shows how black text looks on a background with the XYZ color 32.5117, 49.1648, 7.9485.



This preview shows how white text looks on a background with the XYZ color 32.5117, 49.1648,

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

32.5117, 49.1648, 7.9485

Protanopia

43.8534, 48.6731, 7.0835

Deuteranopia

49.5126, 48.5275, 8.7646



Tritanopia

44.0695, 49.0888, 65.5449

Trichromacy



Original Color

32.5117, 49.1648, 7.9485

Protanomaly

38.8481, 48.3347, 7.3394

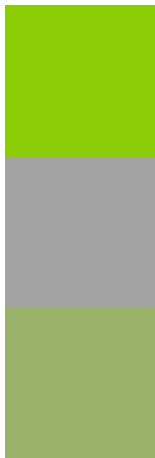
Deuteranomaly

41.5331, 47.7666, 8.1295

Tritanomaly

36.9225, 47.8487, 29.4800

Monochromacy



Original Color

32.5117, 49.1648, 7.9485

Achromatopsia

34.8123, 36.6253, 39.8849

Achromatomaly

31.8483, 39.7514, 19.6299

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.5117, 49.1648, 7.9485 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(139, 205, 6)` looks like.

```
.text, #text, p{  
    color:rgb(139, 205, 6)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(139, 205, 6) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(139, 205, 6) }
```

Border

The CSS property to change the border of an element to XYZ 32.5117, 49.1648, 7.9485 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(139, 205, 6) }
```


If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(139, 205, 6) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(139, 205, 6)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(139, 205, 6); -webkit-box-  
shadow:4px 4px 4px 4px rgb(139, 205, 6);  
box-shadow:4px 4px 4px 4px rgb(139, 205,  
6) }
```

Background

The CSS property to change the background color of an element to XYZ 32.5117, 49.1648, 7.9485 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(139, 205, 6) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(139,  
205, 6) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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